

Descriptions

Powerland's 110W/170W Li-Ion battery chargers are designed with ultra high efficiency, as well as full plastic case enclosure without fan. The extraordinary performances of low power dissipation and water proof provide the chargers high reliability and super long life time. This series of chargers offer solid and safe power conversions for applications such as e-vehicles, e-bikes, e-motorcycles, e-boat, e-machines, etc.



Features

- Input Voltage: 190~260Vac
- Output Power: 110~170W
- Ultra High Reliability
- High Efficiency: Up to 91%
- All-Around Protections: OVP, OCP, SCP, OTP, RCP, RBC
- Timer Off Function
- Vout-Peak $\leq 42.4V$ @ No Load
- Low Temperature Start Up @ $-10^{\circ}C$
- High Temperature Full Load Operation @ $50^{\circ}C$
- IP54 Ingress Grade
- Plastic Case (DZLS4830/DZLS4820 Series)
- Meet GB-T 36944-2018

Models

Model Number	Output Power	Output Voltage	Output Current	Output Current Range
PLD110-EVCS20-57(DZLS4820)	110W	26~56V	2.0A	600mA~2150mA
PLD170-EVCS20-57(DZLS4830)	170W	26~56V	3.0A	600mA~3150mA

Electrical Specifications

Model	PLD110-EVCS20-57(DZLS4820)	PLD170-EVCS0-57(DZLS4830)
Output Voltage	26~56V	26~56V
Output Current	0.6A@26~40V 2.0A@40~56V	0.6A@26~40V 3.0A@40~56V
Max. Output Voltage	56V	56V
Output Voltage @ Open Circuit	< 42V@RMS	
Current Accuracy	± 5%	
Voltage Accuracy	± 0.5%	
Output Power	110W	170W
Input Voltage	190~265Vac	
Input Frequency	47~63Hz	
Max. Input Current	0.8A	1.3A
Max. Input Power	120W	180W
Efficiency	91%	91%
Protections	TBD	
Ingress Protection	IP42	
Case Material	Plastic	
Working Temperature	-10~50°C	
Cooling	Natural Cooling	
Max. Case Temperature	<55°C@25°C Ambient Temperature	
Surge Protection	1kV DM	
Isolation	Primary to Secondary: 3000Vac/10mA max./60s	
Dimensions (LxWxH)	177x100x50.5mm	
Weight	0.55kg	0.85kg

* Unless otherwise noted, the data are based on 25°C ambient temperature, 230Vac input voltage and full load.